



OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/60/345,102

DATE: 01/28/2002
 TIME: 18:06:47

Input Set : A:\Utsc730.app
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3 <110> APPLICANT: BERESTEIN, GABRIEL LOPEZ
 4 TARI, ANA MARIA
 5 ZAPATA-BENAVIDES, PABLO
 7 <120> TITLE OF INVENTION: LIPOSOMAL WT1 ANTISENSE OLIGOS FOR THE INHIBITION OF BREAST
 CANCER
 W--> 0 <130> FILE REFERENCE:
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/60/345,102
 C--> 11 <141> CURRENT FILING DATE: 2002-01-02
 13 <160> NUMBER OF SEQ ID NOS: 2
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 18
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 24 Primer
 26 <400> SEQUENCE: 1
 27 gtcggagccc atttgctg 18
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 18
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 37 Primer
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VERIFICATION SUMMARY

PATENT APPLICATION: US/60/345,102

DATE: 01/28/2002

TIME: 18:06:48

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L:0 M:201 W: Mandatory field data missing, FILE REFERENCE

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

Does Not Comply
Corrected Diskette Needed

pg 1-5

3 <110> APPLICANT: Fredeking, Terry M.
4 Ignatyev, George M.
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING HEMORRHAGIC VIRUS
7 INFECTIONS AND OTHER DISORDERS
9 <130> FILE REFERENCE: 24881-301D
11 <140> CURRENT APPLICATION NUMBER: US/10/038,557
12 <141> CURRENT FILING DATE: 2002-01-03
14 <150> PRIOR APPLICATION NUMBER: 09/840,707
15 <151> PRIOR FILING DATE: 2001-04-23
17 <150> PRIOR APPLICATION NUMBER: 09/562,979
18 <151> PRIOR FILING DATE: 2000-04-27
20 <150> PRIOR APPLICATION NUMBER: 60/198,210
21 <151> PRIOR FILING DATE: 1999-04-27
23 <160> NUMBER OF SEQ ID NOS: 26
25 <170> SOFTWARE: PatentIn Ver. 2.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 271
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Recombinant Interleukin 1-alpha
35 <300> PUBLICATION INFORMATION:
36 <308> DATABASE ACCESSION NO: AAA59134/GenBank
38 <300> PUBLICATION INFORMATION: 1
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40 1 5 10 15
42 Glu Asn Glu Glu Asp Ser Ser Ser Ile Asp His Leu Ser Leu Asn Gln
43 20 25 30
45 Lys Ser Phe Tyr His Val Ser Tyr Gly Pro Leu His Glu Gly Cys Met
46 35 40 45
48 Asp Gln Ser Val Ser Leu Ser Ile Ser Glu Thr Ser Lys Thr Ser Lys
49 50 55 60
51 Leu Thr Phe Lys Glu Ser Met Val Val Val Ala Thr Asn Gly Lys Val
52 65 70 75 80
54 Leu Lys Lys Arg Arg Leu Ser Leu Ser Gln Ser Ile Thr Asp Asp Asp
55 85 90 95
57 Leu Glu Ala Ile Ala Asn Asp Ser Glu Glu Glu Ile Ile Lys Pro Arg
58 100 105 110
60 Ser Ala Pro Phe Ser Phe Leu Ser Asn Val Lys Tyr Asn Phe Met Arg
61 115 120 125
63 Ile Ile Lys Tyr Glu Phe Ile Leu Asn Asp Ala Leu Asn Gln Ser Ile
64 130 135 140
66 Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu

this indicates an error

<3097 and

response are
mandatory

whenever <3087
has a response

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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67 145          150          155          160
69 Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
70          165          170          175
72 Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
73          180          185          190
75 Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
76          195          200          205
78 Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
79          210          215          220
81 Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
82          225          230          235          240
84 Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly
85          245          250          255
87 Gly Pro Pro Ser Ile Thr Asp Phe Gln Ile Leu Glu Asn Gln Ala
88          260          265          270

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92 <210> SEQ ID NO: 2

93 <211> LENGTH: 269

94 <212> TYPE: PRT

95 <213> ORGANISM: Homo sapiens

97 <220> FEATURE:

98 <223> OTHER INFORMATION: Interleukin-1 beta (catabolin)

100 <300> PUBLICATION INFORMATION:

101 <308> DATABASE ACCESSION NO: P01584/Genbank

W--> 103 <300> PUBLICATION INFORMATION: 2 *same entry*

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107 Gly Asn Glu Asp Asp Leu Phe Phe Glu Ala Asp Gly Pro Lys Gln Met
108          20          25          30
110 Lys Cys Ser Phe Gln Asp Leu Asp Leu Cys Pro Leu Asp Gly Gly Ile
111          35          40          45
113 Gln Leu Arg Ile Ser Asp His His Tyr Ser Lys Gly Phe Arg Gln Ala
114          50          55          60
116 Ala Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro
117 65          70          75          80
119 Cys Pro Gln Thr Phe Gln Glu Asn Asp Leu Ser Thr Phe Phe Pro Phe
120          85          90          95
122 Ile Phe Glu Glu Glu Pro Ile Phe Phe Asp Thr Trp Asp Asn Glu Ala
123          100          105          110
125 Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp
126          115          120          125
128 Ser Gln Gln Lys Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala
129          130          135          140
131 Leu His Leu Gln Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met
132 145          150          155          160
134 Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu
135          165          170          175
137 Gly Leu Lys Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp
138          180          185          190
140 Lys Pro Thr Leu Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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141          195          200          205
144 Lys Lys Met Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn
145          210          215          220
147 Lys Leu Glu Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr
148 225          230          235          240
150 Ser Gln Ala Glu Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly
151          245          250          255
153 Gln Asp Ile Thr Asp Phe Thr Met Gln Phe Val Ser Ser
154          260          265
157 <210> SEQ ID NO: 3
158 <211> LENGTH: 569
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Interleukin-1 receptor, Type I precursor
165 <300> PUBLICATION INFORMATION:
166 <308> DATABASE ACCESSION NO: P14778/GenBank
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172 Ser Leu Glu Ala Asp Lys Cys Lys Glu Arg Glu Glu Lys Ile Ile Leu
173          20          25          30
175 Val Ser Ser Ala Asn Glu Ile Asp Val Arg Pro Cys Pro Leu Asn Pro
176          35          40          45
178 Asn Glu His Lys Gly Thr Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr
179          50          55          60
181 Pro Val Ser Thr Glu Gln Ala Ser Arg Ile His Gln His Lys Glu Lys
182 65          70          75          80
184 Leu Trp Phe Val Pro Ala Lys Val Glu Asp Ser Gly His Tyr Tyr Cys
185          85          90          95
187 Val Val Arg Asn Ser Ser Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys
188          100          105          110
190 Phe Val Glu Asn Glu Pro Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe
191          115          120          125
193 Lys Gln Lys Leu Pro Val Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr
194          130          135          140
196 Met Glu Phe Phe Lys Asn Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp
197 145          150          155          160
199 Tyr Lys Asp Cys Lys Pro Leu Leu Leu Asp Asn Ile His Phe Ser Gly
200          165          170          175
202 Val Lys Asp Arg Leu Ile Val Met Asn Val Ala Glu Lys His Arg Gly
203          180          185          190
205 Asn Tyr Thr Cys His Ala Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro
206          195          200          205
208 Ile Thr Arg Val Ile Glu Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr
209          210          215          220
213 Arg Pro Val Ile Val Ser Pro Ala Asn Glu Thr Met Glu Val Asp Leu
214 225          230          235          240
216 Gly Ser Gln Ile Gln Leu Ile Cys Asn Val Thr Gly Gln Leu Ser Asp

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Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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217           245           250           255
219 Ile Ala Tyr Trp Lys Trp Asn Gly Ser Val Ile Asp Glu Asp Asp Pro
220           260           265           270
222 Val Leu Gly Glu Asp Tyr Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg
223           275           280           285
225 Arg Ser Thr Leu Ile Thr Val Leu Asn Ile Ser Glu Ile Glu Ser Arg
226           290           295           300
228 Phe Tyr Lys His Pro Phe Thr Cys Phe Ala Lys Asn Thr His Gly Ile
229 305           310           315           320
231 Asp Ala Ala Tyr Ile Gln Leu Ile Tyr Pro Val Thr Asn Phe Gln Lys
232           325           330           335
234 His Met Ile Gly Ile Cys Val Thr Leu Thr Val Ile Ile Val Cys Ser
235           340           345           350
237 Val Phe Ile Tyr Lys Ile Phe Lys Ile Asp Ile Val Leu Trp Tyr Arg
238           355           360           365
240 Asp Ser Cys Tyr Asp Phe Leu Pro Ile Lys Ala Ser Asp Gly Lys Thr
241           370           375           380
243 Tyr Asp Ala Tyr Ile Leu Tyr Pro Lys Thr Val Gly Glu Gly Ser Thr
244 385           390           395           400
246 Ser Asp Cys Asp Ile Phe Val Phe Lys Val Leu Pro Glu Val Leu Glu
247           405           410           415
249 Lys Gln Cys Gly Tyr Lys Leu Phe Ile Tyr Gly Arg Asp Asp Tyr Val
250           420           425           430
252 Gly Glu Asp Ile Val Glu Val Ile Asn Glu Asn Val Lys Lys Ser Arg
253           435           440           445
255 Arg Leu Ile Ile Ile Leu Val Arg Glu Thr Ser Gly Phe Ser Trp Leu
256           450           455           460
258 Gly Gly Ser Ser Glu Glu Gln Ile Ala Met Tyr Asn Ala Leu Val Gln
259 465           470           475           480
261 Asp Gly Ile Lys Val Val Leu Leu Glu Leu Glu Lys Ile Gln Asp Tyr
262           485           490           495
264 Glu Lys Met Pro Glu Ser Ile Lys Phe Ile Lys Gln Lys His Gly Ala
265           500           505           510
267 Ile Arg Trp Ser Gly Asp Phe Thr Gln Gly Pro Gln Ser Ala Lys Thr
268           515           520           525
270 Arg Phe Trp Lys Asn Val Arg Tyr His Met Pro Val Gln Arg Arg Ser
271           530           535           540
273 Pro Ser Ser Lys His Gln Leu Leu Ser Pro Ala Thr Lys Glu Lys Leu
274 545           550           555           560
276 Gln Arg Glu Ala His Val Pro Leu Gly
277           565

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279 <210> SEQ ID NO: 4

280 <211> LENGTH: 398

281 <212> TYPE: PRT

282 <213> ORGANISM: Homo sapiens

284 <220> FEATURE:

285 <223> OTHER INFORMATION: Interleukin-1 receptor, Type II precursor

287 <300> PUBLICATION INFORMATION:

288 <308> DATABASE ACCESSION NO: P27930/GenBank

*see
p5*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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294	Gln	Pro	Ala	Ala	His	Thr	Gly	Ala	Ala	Arg	Ser	Cys	Arg	Phe	Arg	Gly
295				20					25					30		
297	Arg	His	Tyr	Lys	Arg	Glu	Phe	Arg	Leu	Glu	Gly	Glu	Pro	Val	Ala	Leu
298			35					40					45			
300	Arg	Cys	Pro	Gln	Val	Pro	Tyr	Trp	Leu	Trp	Ala	Ser	Val	Ser	Pro	Arg
301		50					55					60				
303	Ile	Asn	Leu	Thr	Trp	His	Lys	Asn	Asp	Ser	Ala	Arg	Thr	Val	Pro	Gly
304	65					70				75					80	
306	Glu	Glu	Glu	Thr	Arg	Met	Trp	Ala	Gln	Asp	Gly	Ala	Leu	Trp	Leu	Leu
307				85					90					95		
309	Pro	Ala	Leu	Gln	Glu	Asp	Ser	Gly	Thr	Tyr	Val	Cys	Thr	Thr	Arg	Asn
310				100					105					110		
312	Ala	Ser	Tyr	Cys	Asp	Lys	Met	Ser	Ile	Glu	Leu	Arg	Val	Phe	Glu	Asn
313			115						120					125		
315	Thr	Asp	Ala	Phe	Leu	Pro	Phe	Ile	Ser	Tyr	Pro	Gln	Ile	Leu	Thr	Leu
316		130					135					140				
318	Ser	Thr	Ser	Gly	Val	Leu	Val	Cys	Pro	Asp	Leu	Ser	Glu	Phe	Thr	Arg
319	145					150				155				160		
321	Asp	Lys	Thr	Asp	Val	Lys	Ile	Gln	Trp	Tyr	Lys	Asp	Ser	Leu	Leu	Leu
322				165					170					175		
324	Asp	Lys	Asp	Asn	Glu	Lys	Phe	Leu	Ser	Val	Arg	Gly	Thr	Thr	His	Leu
325				180					185					190		
327	Leu	Val	His	Asp	Val	Ala	Leu	Glu	Asp	Ala	Gly	Tyr	Tyr	Arg	Cys	Val
328			195					200					205			
330	Leu	Thr	Phe	Ala	His	Glu	Gly	Gln	Gln	Tyr	Asn	Ile	Thr	Arg	Ser	Ile
331		210					215					220				
333	Glu	Leu	Arg	Ile	Lys	Lys	Lys	Lys	Glu	Glu	Thr	Ile	Pro	Val	Ile	Ile
334	225					230					235			240		
336	Ser	Pro	Leu	Lys	Thr	Ile	Ser	Ala	Ser	Leu	Gly	Ser	Arg	Leu	Thr	Ile
337				245						250				255		
339	Pro	Cys	Lys	Val	Phe	Leu	Gly	Thr	Gly	Thr	Pro	Leu	Thr	Thr	Met	Leu
340				260					265					270		
342	Trp	Trp	Thr	Ala	Asn	Asp	Thr	His	Ile	Glu	Ser	Ala	Tyr	Pro	Gly	Gly
343			275					280					285			
345	Arg	Val	Thr	Glu	Gly	Pro	Arg	Gln	Glu	Tyr	Ser	Glu	Asn	Asn	Glu	Asn
346		290					295					300				
348	Tyr	Ile	Glu	Val	Pro	Leu	Ile	Phe	Asp	Pro	Val	Thr	Arg	Glu	Asp	Leu
349	305					310					315			320		
351	His	Met	Asp	Phe	Lys	Cys	Val	Val	His	Asn	Thr	Leu	Ser	Phe	Gln	Thr
352				325						330				335		
354	Leu	Arg	Thr	Thr	Val	Lys	Glu	Ala	Ser	Ser	Thr	Phe	Ser	Trp	Gly	Ile
355				340					345					350		
357	Val	Leu	Ala	Pro	Leu	Ser	Leu	Ala	Phe	Leu	Val	Leu	Gly	Gly	Ile	Trp
358			355					360					365			
360	Met	His	Arg	Arg	Cys	Lys	His	Arg	Thr	Gly	Lys	Ala	Asp	Gly	Leu	Thr
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:11

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:103 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:2
L:168 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:3
L:290 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:4
L:379 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:5
L:840 M:283 W: Missing Blank Line separator, <220> field identifier
L:872 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:14
L:932 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:15
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